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PROCEEDINGS
OF THE
MONTHLY MEETINGS
OF THE
ENTOMOLOGICAL SECTION
OF THE
ACADEMY OF NATURAL SCIENCES,
PHILADELPHIA.

JANUARY 13, 1882.

Vice-Director Dr. HORN in the chair.

The Publication Committee announced the completion of vol. ix of the Transactions of the American Entomological Society to page 220.

Dr. Horn stated that he had published in a review of the Quediide Staphylinidæ the description of a genus which he had named *Anacyptus*; having since learned that the name was preoccupied, he now proposed in its stead *Microcyptus*.

The following additions to the Library of the American Entomological Society were announced:—

Canadian Entomologist, vol. xiii, No. 12. From the Editor.

Le Naturaliste Canadien, vol. xii, No. 144. From the Editor.

Proceedings of the Boston Society of Natural History, vol. xxii, sigs. 11—13. From the Society.

Psyche, vol. iii, No. 86. From the Editors.

Entomologist's Monthly Magazine, Nos. 211 and 212. From the Conductors.

Annual Report of the Curator of the Museum of Comparative Zoology at Havard College for 1880 and 1881. From the Museum.

Journal of the Linnean Society, vol. xv, Nos. 84 and 85. From the Society.

Proceedings of the Zoological Society of London for 1881, part 3. From the Society.

Journal and Proceedings of the Royal Society of New South Wales, vol. xiv, 1880. From the Society.

Journal of the Royal Microscopical Society, Ser. 2, vol. i, part 6. From the Society.

Catalog der Coleopteren von Sibirien, von L. von Heyden. From the Author.

Deutsche Entomologische Zeitschrift herausgegeben von der Deutschen Entomologischen Gesellschaft, 1880, No. 2; 1881, No. 2. From the Society.

Analecta hemipterologica, von Dr. O. M. Reuter. From the Author.

Naturgeschichte der Insecten Deutschlands, von Dr. W. F. Erichson, vol. vi, part 1. By purchase.

Address of Hon. Geo. B. Loring Commissioner of Agriculture, and other proceedings of the Cotton Convention held in Atlanta, Ga., Nov. 2, 1881. From C. V. Riley.

FEBRUARY 10, 1882.

Vice-Director Dr. HORN in the chair.

The Publication Committee announced the completion of vol. ix of the Transactions of the American Entomological Society to page 240.

The Publication Committee reported favorably the following papers for publication in the Transactions:—

“Revision of the species of some genera of Buprestidæ,” by George H. Horn, M. D.

“Notes on some little known genera and species of Coleoptera,” by George H. Horn, M. D.

“Synopsis of the species of the tribe Lebiini,” by Geo. H. Horn, M. D.

“Descriptions of species belonging to the genus Nysson inhabiting North America,” by E. T. Cresson.

Dr. Horn exhibited some drawings to accompany one of the papers reported on this evening, illustrating the anatomy of *Platypsylla* and *Leptinus*. He expressed the view that a close relationship existed between these genera.

For the larger species known as *L. validus* Horn, a new generic name was proposed, *Leptinillus*, from its differing from the true *Leptinus* in having rudimentary eyes and the anterior coxæ separated by the prosternum.

The following additions to the Library of the American Entomological Society were announced:—

Proceedings of the Boston Society of Natural History, vol. xx, part 4; xxi, part 1. From the Society.

Bulletin of the Buffalo Society of Natural Sciences, vol. iv, No 2. From the Society.

Papilio, vol. i, No. 11; ii, No. 1. From the Editor.

Comptes-Rendus des Séances de la Société Entomologique de Belgique, Série iii, Nos. 11 and 12. From the Society.

, *Annali del Museo Civico di Storia Naturale di Genova*, vols. xvi and xvii. From the Museum.

Horæ Societatis Entomologicæ Rossica. Tome xv, 1879. From the Society.

MARCH 10, 1882.

Director Dr. LECONTE in the chair.

The Publication Committee announced the completion of vol. ix of the *Transactions of the American Entomological Society* to page 272.

Dr. Horn read some notes on the families of *Coleoptera* related to the *Elateridæ*, and expressed the view that the *Elateride* series must be regarded as a complex rather than as a family. The divisions proposed are *EUCNEMINÆ*, *ELATERINÆ*, *CEBRIONINÆ*, *PEROTHOPINÆ* and *CEROPHYTINÆ*, regarded by Dr. Horn as closely related sub-families. The subject is more fully discussed in a paper now in the hands of the Publication Committee.

Dr. Horn announced the death of George B. Dixon, a member of the Section, which took place February 23d. last, at Pilatka, Florida.

The following additions to the Library of the American Entomological Society were announced:—

Memoirs of the Boston Society of Natural History, vol. iii, No. 4. From the Society.

Proceedings of the Boston Society of Natural History, vol. xxi, part 2. From the Society.

Canadian Entomologist, vol. xiv, Nos. 1 and 2. From the Editor.

Entomologist's Monthly Magazine, No. 213. February, 1882. From the Conductors.

Le Naturaliste Canadien, vol. xiii. January, 1882. From the Editor.

Psyche, vol. iii, No. 87—89. From the Editors.

Berliner Entomologische Zeitschrift, vol. xxv, 1881. From the Society.

Comptes-Rendus des Séances de la Société Entomologique de Belgique, Série iii, No. 14. From the Society.

Hymenopteren von Portorico, von Dr. H. Dewitz. From the Author.

APRIL 14, 1882.

Director Dr. LECONTE in the chair.

The Publication Committee announced the completion of vol. ix of the *Transactions of the American Entomological Society*.

Dr. Horn called attention to the fact that for a number of years our catalogues have contained species of *Coleoptera* described by various European authors, which have escaped recognition principally through

the erroneous localities given. Happily the number is rapidly diminishing by direct comparison of specimens with types.

The fauna of the United States has been so thoroughly studied at home that the distribution of genera and species is now pretty well understood, and we are warranted in being very skeptical when species are referred to genera unknown to us from a given locality.

In the following notes I have gathered from the authors such information as has been published, which has a direct bearing on the matter of distribution.

Amblychila Piccolomini Reiche, Ann. Fr. 1839, p. 557.

"Our colleague M. Dupont received, about the end of 1838, a collection of Coleoptera containing among others some specimens from New California, among which was found a large *Cicindelide*."

From our knowledge of the distribution of *Amblychila* it has been doubted whether the specimen was taken in California, inasmuch as that State has been very thoroughly collected over by many competent persons and no trace of that insect found. This is however merely negative evidence. The matter would have very little importance were it not that Reiche and Chaudoir insisted on the distinctness of this species from *cylindriciformis* Say, basing their argument as much on the locality as on any usual specific characters. The type has been seen by Dr. LeConte and myself and does not differ in any appreciable manner from specimens collected in New Mexico.

Pasimachus californicus Chaud., Bull. Mosc. 1850, ii, p. 437.

"This insect was collected in California by M. Piccolomini and has been sent me by M. Dupont. He is the same traveller who collected *Amblychila Piccolomini* Reiche."

The occurrence of *Pasimachus* in California is also in opposition to our ideas of generic distribution. The species remained unidentified until a specimen from Chaudoir demonstrated that it was a species occurring in the Texas region and known as *validus* Lec.

Pangus americanus Mots., Bull. Mosc. 1859, iii, p. 237.

This insect was recognized as a *Discoferus* by Dr. LeConte twenty years ago. The figure and description by Motschulsky are equally insufficient, but I feel fully justified in considering it *D. impotens* Lec., which is not rare in western Texas.

The type was given to Motschulsky by Dupont doubtless from the Piccolomini collection.

Agaosoma californicum Ménét., Bull. Ac. Petr. 1843, ii, p. 63.

It is now recognized that *Agaosoma* Mén., does not differ from *Steno-*

morphus Sol., a genus represented in Texas and Mexico. The species has never been observed in California by any recent collectors and its reference to that locality is as doubtful as the other species here recorded.

No information is given of the source from which Ménétries obtained the above species, all the others described in the paper are truly Californian, have definite localities and are credited to Wosnessensky.

Tricrepidius triangulicollis Motsch., Bull. Mosc. 1859, iv, p. 367.

This insect I have identified with *Ischiodontus ferreus* Lec. There can be no doubt that Motschulsky was deceived in attributing lobes to the first three tarsal joints, from the tendency of the brush of hairs which terminates the first joint on the under side to form a pencil simulating a lobe. The specimen is stated to be from California and came to Motschulsky from Dupont.

From the above notes it would appear that all the trouble with doubtfully distributed genera had its origin in a small collection made by Piccolomini and distributed by Dupont to his friends. It must be evident to those acquainted with the distribution of species in our fauna that Piccolomini collected in Texas some distance up the Rio Grande. When it is remembered that the geography of that part of our continent had in 1838 another political alliance, and that its subdivisions were totally different from those of a few years later, it will be understood why the locality "*California*" very correct at that time, conveys an erroneous impression at the present.

A similar geographical allowance must be made in the works of Say. Many localities are given as "*Missouri Territory*," a sufficiently well defined region to those who studied the geographies of thirty years ago. At present the name is lost and many States and Territories now occupy that region on the maps.

Mr. E. T. Cresson presented the following tables to assist the student in the separation of the species belonging to the genus

EUCERCERIS Cress.

Females.

Clypeus with side lobes produced into a large blunt conical tubercle, middle lobe depressed; body yellow with fulvous markings....**canaliculatus** (Say).

Clypeus with side lobes flat or depressed, not protuberant.

Middle lobe of clypeus produced into a porrect spine.

Abdomen ferruginous, with three apical segments black.....**bicolor** Cress.

Abdomen ferruginous, with broad yellow bands above; wings fuscous.

fulviceps Cress.

Abdomen above black, with broad yellow bands; wings clear, with costal margin fuliginous.....**rubripes** Cress.

Middle lobe of clypeus triangularly produced subapically into a flat obtuse tooth; body black with yellow markings.....**zonatus** (Say).
Clypeus with both side and middle lobes flat or simply convex.

Legs black and yellow.

Metathorax with basal enclosure obliquely striated, opaque, entirely black; abdomen very finely punctured.....**flavocinctus** Cress.

Metathorax with basal enclosure smooth and polished, with a V-shaped yellow mark; abdomen deeply and unevenly punctured.....**similis** Cress.

Legs fulvous.

Metathorax with basal enclosure shining, transversely striated; middle lobe of clypeus convex, toothed at apex; form rather slender, coarsely but not densely punctured, somewhat shining.....**fulvipes** Cress.

Metathorax with basal enclosure opaque, densely and strongly punctured; middle lobe of clypeus flat with the apex somewhat prolonged and rounded, not toothed; form robust, very densely punctured, opaque...**montanus** n. sp.

*Males. **

A.—Neuration of anterior wing different from that of ♀; second submarginal cell not petiolated and the marginal very much broader at base.

Ventral segments three, four and five each with two short tufts or pencils of erect curved bristles on apical middle; body black with yellow markings.

zonatus (Say).

Ventral segments three, four and five each with a fringe of long, erect, curved bristles on apical middle; body black with yellow markings.

superbus Cress.

Ventral segments three and four each with a fringe of unusually long, erect, curved bristles on apical middle, and a row of short, erect, evenly cut, closely appressed bristles on apical middle of segment five; body ferruginous with pale yellow markings.....**canaliculatus** (Say).

Ventral segments three and four each with a fringe of long, erect, matted bristles on apical middle, and two erect, parallel, approximated, dentiform processes on apical middle of segment five; body black with white and fulvous markings.....**elegans** Cress.

Ventral segments three and four each with a fringe of unusually long, erect bristles on apical middle; body black with yellow markings.....**similis** Cress.

Ventral segment five with a fringe of erect bristles on apical middle.

Metathorax black, generally with a ferruginous spot on each side; cheeks more or less ferruginous.....**rubripes** Cress.

Metathorax black, always with a yellow spot on each side; cheeks with a small yellow spot.....**fulvipes** Cress.

* After a careful examination of the male specimens, the most reliable characters for the separation of the species have been found to consist in the location of the erect fringes of bristles on the apical margin of the ventral segments. These, when present, can easily be distinguished from the usual pubescence, and are more readily seen from a lateral and somewhat oblique view. The armature of the clypeus and shape of the last dorsal segment of the abdomen do not appear to be sufficiently constant, and are rather difficult to see; while the contiguity or non contiguity of the side lobes of the clypeus with the eyes, although apparently constant in some species, varies in others and are therefore characters not to be relied on.

Ventral segments simply pubescent, without fringes of erect bristles; body black with yellow markings; abdomen very finely punctured.

flavocinctus Cress.

B.—Neuration of anterior wings similar to that of ♀; second submarginal cell petiolated, the marginal only slightly broader at base.

Mandibles broadly dilated and flattened on outer surface; face unusually broad, narrowed above, entirely pale yellow; clypeus flat, depressed, unarmed at tip; legs and antennæ fulvous.....**montanus** n. sp.

Mandibles as usual; face not unusually broad, not narrowed above; clypeus armed at tip with three blunt teeth; body black with yellow markings; face with three longitudinal yellow stripes; legs black, ferruginous and yellow.....**vittatifrons** Cress.

Eucerceris canaliculatus.

Phylanthus canaliculatus Say, West. Quar. Rep. ii, 79; Amer. Ent. pl. 49, ♂.

Cerceris bidentata Say, West. Quar. Rep. ii, 80, ♀.

Eucerceris canaliculatus Cress., Proc. Ent. Soc. Phila. v, 112; Patton, Bull.

U. S. Geo. Survey, v, 357, ♂ ♀.

Hab.—Kansas, Colorado, Texas. Eight ♂ ♀ specimens.

Eucerceris bicolor Cress., Trans. Am. Ent. Soc. ix, Proc. xxxviii, ♀.

Hab.—Montana. Six ♀ specimens; ♂ unknown.

Eucerceris fulviceps Cress., Trans. Am. Ent. Soc. vii, Proc. xxiii, ♀.

Hab.—New Mexico. One ♀ specimen; ♂ unknown.

Eucerceris rubripes Cress., Trans. Am. Ent. Soc. vii, Proc. xxiii, ♂.

Eucerceris unicornis Patton, Bull. U. S. Geo. Survey, v, 359, ♀.

Hab.—Kansas, Colorado, Montana. Eleven ♂ ♀ specimens.

Eucerceris zonatus.

Phylanthus zonatus Say, West. Quar. Rep. ii, 79; Amer. Ent. pl. 49.

Eucerceris zonatus Cress., Proc. Ent. Soc. Phila. v, 105, ♂ ♀.

Var. *Eucerceris laticeps* Cress., Proc. Ent. Soc. Phila. v, 107, ♂ ♀.

Hab.—Massachusetts, Illinois. Seven ♂ ♀ specimens.

Eucerceris flavocinctus Cress., Proc. Ent. Soc. Phila. v, 109, ♀.

Eucerceris cingulatus Cress., Proc. Ent. Soc. Phila. v, 110, ♂.

Hab.—Colorado, Nevada, Oregon, Washington Territory, Vancouver's Island. Numerous ♂ ♀ specimens.

Eucerceris similis Cress., Trans. Am. Ent. Soc. vii, Proc. xxiv, ♂ ♀.

Hab.—Nevada. Six ♂ ♀ specimens.

Eucerceris fulvipes Cress., Proc. Ent. Soc. Phila. v, 111, ♂ ♀.

Hab.—Colorado, Montana. Sixteen ♂ ♀ specimens.

Eucerceris superbis Cress., Proc. Ent. Soc. Phila. v, 108, ♂; Patton,

Bull. U. S. Geo. Survey, v, 356.

Hab.—Colorado, Dakota, Montana. Seven ♂ specimens; ♀ unknown.

Eucerceris elegans Cress., Trans. Am. Ent. Soc. vii, Proc. xxiii, ♂.

Hab.—Nevada. One ♂ specimen; ♀ unknown.

Eucerceris vittatifrons Cress., Trans. Am. Ent. Soc. vii, Proc. xxiv, ♂.

Hab.—Nevada, Washington Terr. Seven ♂ specimens; ♀ unknown.

Eucerceris montanus n. sp.—♀.—Black, opaque, densely and strongly punctured, clothed with a short erect whitish pubescence; head wider than thorax; face broad, slightly narrowed above; clypeus short, very broad, flat, the side lobes touching the eyes, the middle lobe somewhat prolonged and rounded at tip, unarmed; a transverse ovate spot on each lobe of clypeus, broad longitudinal spot on sides of face not reaching summit of eyes and broad line on prominence between antennæ, the whole forming three broad stripes on the face, line on upper posterior orbits broader above, upper posterior margin of prothorax, postscutellum, two large irregularly shaped spots on metathorax pointed within, tegulæ, segments 1—5 of abdomen above, except basal margin and transverse line on disk of segments three and four, spot on sides of sixth segment, and interrupted bands on ventral segments 3—5, all lemon-yellow; mandibles except tips, four basal joints of antennæ, basal half of flagellum beneath, legs entirely, and two basal segments of abdomen beneath, fulvous-yellow; basal enclosure of metathorax densely and strongly punctured; wings hyaline, with costal margin irregularly clouded with yellowish-fuscous, neuration as usual; segments 2—5 of abdomen above less densely and more irregularly punctured, except in the transverse median deeply impressed lines; apical segment finely rugulose above with lateral carina sharp, fringed with pale hair and terminating in a short obtuse tooth; venter sparsely punctured, shining. Length .50 inch.

♂.—Black, opaque, densely and strongly punctured, clothed with whitish pubescence; head large, much wider than thorax; face very broad, flat, very slightly narrowed above, the tubercle between antennæ prominent; clypeus flat, very broad, its anterior margin truncate its entire width, unarmed, the side lobes touching the eyes for a short distance; mandibles with outer face dilated, flattened, smooth, polished, the upper and lower edges obtusely angular, each mandible with a prominent and obtuse tooth within between base and apex, which latter is pointed and subacute; face, clypeus, prominence between antennæ, spot or line behind summit of eyes, mandibles except tips, scape beneath, posterior margin of prothorax, postscutellum, sometimes a dot on extreme sides of scutellum, a small round spot on sides of metathorax above near base, tegulæ, spots on thorax beneath, coxæ, trochanters, legs beneath, band on posterior margin of abdominal segments 1—6 above, those on 2—5 more or less suddenly dilated laterally, and bands on ventral segments 2—5, all lemon-yellow; scape above, flagellum entirely, legs above and most of the two basal segments of abdomen beneath, fulvous-yellow; sometimes the basal joints of antennæ above are spotted with black; wings hyaline, with apical half of costal margin narrowly fuscous and a small fuscous cloud at base of second submarginal cell, costal nervure fulvous; the shape of the marginal and submarginal cells like those of the ♀ except that the marginal cell is slightly broader at base and the third submarginal a little larger; venter clothed with a long, loose, pale pubescence, a fringe of long erect bristles on apical middle of segments three and four, scarcely longer than the pubescence and almost concealed by it; last dorsal segment flat, carinate laterally, the carinæ ending at tip in a short obtuse tooth, the last ventral segment slightly protruding beyond the last dorsal and deeply cleft. Length .50 inch.

Hab.—Montana, (Morrison). One ♀, two ♂ specimens.

The following additions to the Library of the American Entomological Society were announced :—

Proceedings of the Academy of Natural Sciences of Philadelphia, 1881, part 3. From the Academy.

Proceedings of the Boston Society of Natural History, vol. xxi, sigs. 17 and 18. From the Society.

Bulletin of the Essex Institute, vol. xiii, Nos. 10—12. From the Institute.

Canadian Entomologist, vol. xiv, Nos. 2 and 3. From the Editor.

Entomologist's Monthly Magazine, Nos. 214 and 215. From the Conductors.

Le Naturaliste Canadien, vol. xiii, Mars 1882. From the Editor.

Papilio, vol. ii, Nos. 2 and 3. Purchased.

Psyche, vol. iii, Nos. 90—92. From the Editor.

Comptes-Rendus des Séances de la Société Entomologique de Belgique, Sér. iii, Nos. 14—16. From the Society.

Deutsche Entomologische Zeitschrift herausgegeben von der Deutschen Entomologischen Gessellschaft, vol. xxvi, No. 1. From the Society.

Middlelanden of Societas pro Fauna et Flora Fennica, 1881, Nos. 6—8. From the Society.

Geological and Natural History Survey of Canada. Report of Progress for 1879—80. From the Survey.

Insects Injurious to Forest and Shade Trees, by A. S. Packard, Jr., M. D. From the Author.

Entomologische Zeitung. Herausgegeben von dem Entomologischen Vereine zu Stettin, vol. xlii, 1881. From the Society.

Species des Hyménoptères d'Europe et d'Algérie, par Ed. André, January, 1882. From the Author.

Guide to Practical Work in Elementary Entomology, by Professor J. Henry Comstock. From the Author.

Revue Coléoptérologique publiée par Constant Van den Branden, vol. i, No. 2. From the Author.

Liste des Criocerides recueillies au Bréssel, par feu Camille van Volxem suivie de la description de douze nouvelles espèces Americaines de cette tribu, par A. Preudhomme de Borre. From the Author.

Materiaux pour la Faune Entomologique de la Province du Luxembourg Belge; Province de Namur; Province d'Anvers; Brabant, Coléoptères première centurie, par Alfred Preudhomme de Borre. From the Author.

Sopra alcuni Imenotteri di Tunisia.—Diagnosi di alcuni specie nuove del genere *Chrysis*.—Spedizione Italiana nell'Africa Equatoriale risultati Zoologici Imenotteri.—Escursione in Calabria (1877-78) Imenotteri.—Note Imenotterologiche.—Contribuzione allo studio di alcune specie Italiane del genere *Tiphia* dell'Ingegnere G. Gribodo. From the Author.

MAY 12, 1882.

Mr. C. A. BLAKE in the chair.

The Publication Committee announced the completion of vol. x. of the Transactions of the American Entomological Society to page 24.

The Publication Committee reported in favor of the publication in the Transactions of the American Entomological Society the paper entitled :

"A Revision of the Mordellidae of the United States, by John B. Smith."

The following additions to the Library of the American Entomological Society were announced :—

Transactions of the Academy of Sciences of St. Louis, vol. iv, No. 2. From the Academy.

Psyche, No. 93. From the Editors.

Papilio, vol. ii, No. 4, April, 1882. From the Publishers.

Entomologist's Monthly Magazine, No. 216, May, 1882. From the Conductors.

Le Naturalist Canadien, vol. xiii, No. 4. From the Editor.

Report of the Entomologist of the United States Department of Agriculture for 1880, by J. Henry Comstock. From the Author.

The Silkworm ; being a brief manual of Instruction for the Production of Silk, by C. V. Riley. From the Author.

Little known facts about well-known animals, by C. V. Riley. From the Author.

The North American species of *Conops*, by S. W. Williston. From the Author.

Revue Coléopterologique, by C. Van den Branden, No. 3, April, 1882. From the Author.

Comptes-Rendus Société Entomologique de Belgique, Série iii, No. 17. From the Society.

Mr. Eugene M. Aaron was elected a member of the Section.

JUNE 9, 1882.

Mr. C. A. BLAKE in the chair.

The Publication Committee announced the completion of vol. x. of the Transactions of the American Entomological Society to page 48.

The following additions to the Library of the American Entomological Society were announced:—

Aid to the identification of Insects, vol. i, by C. O. Waterhouse. Purchased.

Proceedings of the Scientific Meetings of the Zoological Society of London. Index 1871–1880. From the Society.

Transactions of the Entomological Society of London, 1881. From the Society.

Nova Acta Regiæ Societatis Scientiarum Upsaliensis, Ser. 3, vol. xi, No. 1, 1881. From the Society.

A Synonymic Catalogue of Diurnal Lepidoptera, Supplement, March, 1861—June, 1877, by F. W. Kirby. Purchased.

Eleventh Report of the State Entomologist on the Noxious and Beneficial Insects of the State of Illinois, by C. Thomas. From the Author.

Verhandlungen des naturforschenden Vereines in Brünn, vol. xix, 1880. From the Society.

Verhandlungen des Vereins für naturwissenschaftliche Unterhaltung zu Hamburg, vol. iv, 1877. From the Society.

Naturgeschichte der Insecten Deutschlands, vol. iii, part 1.

Rencensio Critica Lepidopterorum Musei Ludovicæ Ulricæ quæ descripsit, Carolus A. Linné.

Bidrag tel Kundskaben om Norges Lepidopterfauna. J. S. Schneider.

On motion the Section adjourned until the regular night of meeting in September.

SEPTEMBER 8, 1882.

Director Dr. LeCONTE in the chair.

The Publication Committee announced the completion of vol. x. of the Transactions of the American Entomological Society to page 164.

Dr. LeConte read extracts from letters received from Dr. Horn, who was absent in Europe, giving some synonymical notes on our species observed by him. The most important observed was that the species hitherto referred by us to *Callimus* should constitute a new genus, for which Dr. Horn proposes the name *Poecilobrium*, which will include not only our *P. (Callimus) chalybaeum* Lec., but also *Callidium rufipes* Fab., of Europe.

On the other hand the species referred to *Pilema* are truly *Callimus*.

The following additions to the Library of the American Entomological Society were announced :

Proceedings of the Scientific meetings of the Zoological Society of London, 1881, Part 4. From the Society.

Trichopterygia Illustrata et descripta.—A Monograph of the Trichopterygia, by Rev. A. Matthews. Purchased.

Bulletino della Società Entomologica Italiana, 1880, part 3. From the Society.

Entomologisk Tidskrift, af Jacob Spangberg, 1881, parts 3 and 4. From the Author.

Enumeratio Insectorum Norvegicorum, vol. v, part 1.

The Butterflies of North America, by William H. Edwards, second series, part 10. From the Author.

Proceedings of the Academy of Natural Sciences of Philadelphia, Part 1. January to April, 1882. From the Academy.

Cistula Entomologica, vols. ii. and iii. Purchased.

The Bee's tongue, and glands connected with it, by J. Spaulding. From the Author.

Retarded developement in Insects.—On the oviposition of *Paradoxus decipiens*.—New Insects injurious to Agriculture, by C. V. Riley. From the Author.

Noctuidæ in the Missouri Entomological Reports, by C. V. Riley. From the Author.

OCTOBER 13, 1882.

Vice-Director Dr. HORN in the chair.

The following additions to the Library of the American Entomological Society were announced :—

Transactions of the American Entomological Society, vol. x, No. 1. From the Publication Committee.

A Biography of Fossil Insects, by S. H. Scudder. From the Author.

Fragments of the coarser anatomy of Diurnal Lepidoptera, by S. H. Scudder. From the Author.

Bemærkninger til H. Siebke's Enumeration insectorum Norvegicorum, Fasc. v, pars 1 (Hymenoptera phytophaga and aculeata), edidit J. Sp. Schneider.

Supplement til H. Siebke's Enumeratio insectorum Norvegicorum, Fasc. i, ii (Hemiptera, Orthoptera and Coleoptera).

Sitzungsberichte und Abhandlungen der Naturwissenschaftlichen Gesellschaft Isis in Dresden.

Coleopterologische Hefte, von E. V. Harold, vols. i.—iv. Purchased.

The Honey Ants of the Garden of the Gods, and the Occident Ant of the American Plains, by H. C. McCook. From the Author.

Proceedings of the Linnean Society of London, July, 1882. From the Society.

Bulletino della Società Entomologica Italiana, 1881, parts 3 and 4. From the Society.

Canadian Sportsman and Naturalist, vol. i, No. 12.

Twelve pamphlets on Coleoptera, by A. P. DeBorre. From the Author.

NOVEMBER 10, 1882.

Director Dr. LECONTE in the chair.

The Publication Committee announced the completion of vol. x. of the Transactions of the American Entomological Society to page 184.

A letter was read from a gentleman desiring to view the collection of the Society. After an interchange of views the Chair announced that it was the sense of the Section that while they desired to aid the development of an interest in the study of Entomology, the collections in charge of the Section could not be used unless under the supervision of the Conservator.

Dr. Horn exhibited some dissections of the mouth parts of Coleoptera, mounted in such a manner that they could be placed in the cabinet with the specimens from which they were taken. The method, he believed, originated with Dr. Sharp, of Scotland, and consists of a cell made of cardboard, the top and bottom being the usual thin cover-glass and filled in the ordinary way with Canada balsam. When properly dried the name of the species may be written on the card, and the whole (except the glass) coated with shellac and thus rendered impervious to moisture.

The following additions to the Library of the American Entomological Society were announced:—

Deutsche Entomologische Zeitschrift, herausgegeben von der Deutschen Entomologischen Gesellschaft, 1882, No. 2. From the Society.

Journal of the Linnean Society, vol. xv, Nos. 86–88. From the Society.

Annales de la Société Entomologique de Belgique, vol. xxv. From the Society.

Memoirs of the Boston Society of Natural History, vol. iii, No. 5. From the Society.

Bulletin of the Essex Institute, vol. xiv, Nos. 1-6, 1882. From the Institute.

Papilio, vol. ii, Nos. 5 and 6. From the Editors.

Bulletin of the Minnesota Academy of Natural Sciences, vol. ii, Nos. 3 and 3. From the Academy.

Verhandlungen der kaiserlich-königlichen Zoologisch-botanischen Gesellschaft in Wien, vol. xxxi. From the Society.

Berliner Entomologische Zeitschrift, herausgegeben von dem Entomologischen Verein in Berlin, vol. xxvi, part 1. From the Society.

Species des Hyménoptères d'Europe and d'Algiers, par Ed. Andre, vol. xii. From the Author.

Proceedings of the Davenport Academy of Natural Sciences, vol. iii, No. 2. From the Academy.

Bulletin of the Buffalo Society of Natural Sciences, vol. iv, No. 3. From the Society.

Mittheilungen der Schweizerischen Entomologischen Gesellschaft, vol. vi, Nos. 2 and 6. From the Society.

Entomologisk Tidskrift, af Jacob Spangberg, 1882, parts 1 and 3. From the Author.

Proceedings of the Scientific meetings of the Zoological Society of London, 1882, parts 1 and 2. From the Society.

Mr. Henry Skinner was elected a member.

The next meeting was announced for December 11.

DECEMBER 11, 1882.

Director Dr. LeConte in the chair.

The Publication Committee announced the completion of vol. x. of the Transactions of the American Entomological Society to page 224.

On behalf of the author, a paper entitled a "Synopsis of the North American Heliethinae," by John B. Smith, was read by Dr. Horn.

The report of the Treasurer was read and on motion referred to a Committee, of Messrs. Wilt, LeConte and Horn, for audit.

The following additions to the Library of the American Entomological Society were announced :—

Entomologist's Monthly Magazine, vol. xix, Nos. 217-222. From the Conductors.

Journal of the Linnean Society of London, vol. xvi, Nos. 89-94. From the Society.

Canadian Entomologist, vol. xiv, Nos. 3-9. From the Editor.

Naturalite Canadien, vol. xiii, Nos. 6-10. From the Editor.

Proceedings of the Academy of Natural Sciences of Philadelphia, part 2, May and October, 1882. From the Academy.

Psyche, vol. viii, Nos. 94-98. From the Editors.

Compte-Rendu Société Entomologique de Belgique, Série iii, Nos. 18-24. From the Society.

Proceedings of the Boston Society of Natural History, 1882, pp. 321-432. From the Society.

Petites Nouvelles Entomologiques, Nos. 155-216. From A. Sallé.

The Committee on nominations presented their report.

The business of the evening having been called, an election for officers for the ensuing year was held. On the count of the ballots the following were declared elected :

Director.—John L. LeConte, M. D.

Vice-Director.—George H. Horn, M. D.

Recorder.—James H. Ridings.

Treasurer.—E. T. Cresson.

Conservator.—Eugene M. Aaron.

Publication Committee.—George H. Horn, M. D.

Henry Skinner.

JANUARY 12, 1883.

Vice-Director Dr. HORN in the chair.

The Publication Committee reported in favor of the publication of a "Synopsis of the North American Heliethinae," by John B. Smith, in the Transactions of the American Entomological Society.

The following additions to the Library of the American Entomological Society were announced :—

Bulletino della Società Entomologica Italiana, 1882, parts 2 and 4. From the Society.

Transactions of the American Entomological Society, vol. x, No. 2. From the Publication Committee.

Canadian Entomologist, vol. xiv. No. 11. From the Editor.

Quarterly Journal of the Boston Zoological Society, vol. ii, No. 1. From the Society.

Compte-Rendu Société Entomologique de Belgique, Série iii, Nos. 25-26. From the Society.

The Committee appointed to audit the account of the Treasurer reported that they had examined the accounts and vouchers and found them correct. The report was accepted and the papers ordered filed.

FEBRUARY 9, 1883.

Vice-Director Dr. HORN in the chair.

The Publication Committee announced the completion of vol. x. of the Transactions of the American Entomological Society to page 256.

Dr. Horn called attention to a recent publication in which the author denied the existence of the outer or palpiform lobe in the maxillae of the Gyrinidae. A preparation was exhibited showing the lobe in question in one of our species of *Gyrinus*. The preparation will be sent abroad as an evidence that the figure already published by Dr. Horn was correct (Trans. Am. Ent. Soc. 1881, vol. x, p. 150).

MARCH 9, 1883.

Vice-Director Dr. HORN in the chair.

Additions to the Library of the American Entomological Society were read as follows:—

Proceedings of the Scientific meetings of the Zoological Society of London, part 3. From the Society.

Annales de la Société Entomologique de France, Série 6, Tome 1, 1881. From the Society.

Canadian Entomologist, vol. xv, No. 1. From the Editor.

Journal and Proceedings of the Royal Society of New South Wales, 1881. From the Society.

Proceedings of the Boston Society of Natural History, vol. xxi, sig. 29. From the Society.

Recherches Experimentales sur les Mouvements respiratoires des Insectes, par Felix Plateau. From the Author.

Matériaux pour la Faune Entomologique du Hainaut, par A. P. de Borre. From the Author.

Nos Elaphriens, par A. P. de Borre. From the Author.

Sur un Travail Récent de M. S. H. Scudder concernant les Myriapodes du Terrain Honiller, par A. P. de Borre. From the Author.

Matériaux pour la Faune Entomologique de Flander, par A. P. de Borre. From the Author.

Matériaux pour la Faune Entomologique de la Province de Limbourg, par A. P. de Borre. From the Author.

Matériaux pour la Faune Entomologique de la Province d'Anvers, par A. P. de Borre. From the Author.

Analyse et Résumé d'un Mémoire de M. Le Dr. G. H. Horn on the Genera of Carabidæ, etc., par A. P. de Borre.

Mr. J. T. Pennypacker tendered his resignation as a member of the Section.

APRIL 13, 1883.

Vice-Director Dr. HORN in the chair.

Additions to the Library of the American Entomological Society were read as follows:—

Proceedings of the Davenport Academy of Natural Sciences, vol. iii, part 3. From the Academy.

Entomologist's Monthly Magazine, vol. xix, April, 1883. From the Conductors.

Classification of the Coleoptera of North America, by J. L. LeConte and G. H. Horn. From the Authors.

Annales de la Société Entomologique de Belgique, Série iii, No. 30. From the Society.

Deutsche Entomologische Zeitschrift, herausgegeben von der Deutschen Entomologischen Gesellschaft, 1883, No. 1. From the Society.

Bulletino della Società Entomologica Italiana. January–March, 1882. From the Society.

Dr. Horn exhibited a piece of ticking, a portion of a feather pillow, presenting the appearance of a fine plush on the inner side. Through the ravages of *Attagenus megatoma* the feathers had become comminuted, and by frequent handling and beating had become felted into the material of the ticking.

MAY 11, 1883.

Vice-Director Dr. HORN in the chair.

The Publication Committee announced the completion of vol. x. of the Transactions of the American Entomological Society to page 268.

Donations to the Library of the American Entomological Society were announced as follows:—

Transactions of the Entomological Society of London, 1882. From the Society.

Entomologist's Monthly Magazine, Nos. 227–229. From the Conductors.

Papilio, vol. iii, No. 4. From the Editors.

Canadian Entomologist, vol. xv, Nos. 2–5. From the Editor.

The Butterflies of North America, by W. H. Edwards, second series, part 2. From the Author.

Proceedings of the Boston Society of Natural History, 1883, sigs. 7 and 8. From the Society.

Report of the Entomological Society of Ontario for 1882. From the Society.

Synopsis of the Noctuidæ of Illinois, by G. H. French. From the Author.

Reports of Experiments chiefly with Kerosene upon the insects injuriously affecting the Orange Tree and Cotton Plant, by C. V. Riley. From the Author.

Report of Observations on the Rocky Mountain Locust and the Chinch Bug, by C. V. Riley. From the Author.

Compte-Rendu Société Entomologique de Belgique, Série iii, No. 31. From the Society.

Verhandlungen des naturforschenden Vereines in Brünn, vol. xx. From the Society.

Verhandlungen des naturforschenden der Preussischen Rheinlande und Westfalens.

Die Käfer Westfalens zusammengestellt, von F. Westhoff. From the Author.

Entomologische Zeitung. Herausgegeben von dem Entomologischen Vereine zu Stettin, vol. xliii. From the Society.

Dr. Horn presented a communication entitled "Miscellaneous notes and short studies of North American Coleoptera."

The next meeting was appointed for June 11, after the semi-annual meeting of the American Entomological Society.

JUNE 11, 1883.

Vice-Director Dr. HORN in the chair.

The Publication Committee reported in favor of the publication of Dr. Horn's paper, presented at the May meeting. They also reported that they had accepted from Mr. A. R. Grote a paper in reply to that of Mr. John B. Smith on the Heliethinae, and as they deemed it proper that the two papers should appear together in the Transactions, the consent of the Section was asked for immediate publication. The action was approved and the request granted.

Additions to the Library of the American Entomological Society were read as follows:—

Dr. Horn announced that the Academy had approved of a request of the Sections that they be allowed to elect persons as Contributing Members, who shall be allowed no other privileges than that of taking part in the scientific proceedings of the Section. The right to vote, hold office or take part in the business of the Section being reserved for those only who are also members of the Academy.

The meetings were adjourned until September.